

Docket No: RD-8025 US

Title: A Method Of After-Treatment Of A Dyeable Nylon Textile Surface With a Stain Resist And The Article
Inventors: Baumann and Letham
Appl. No.: Unknown
E.I. DuPont de Nemours

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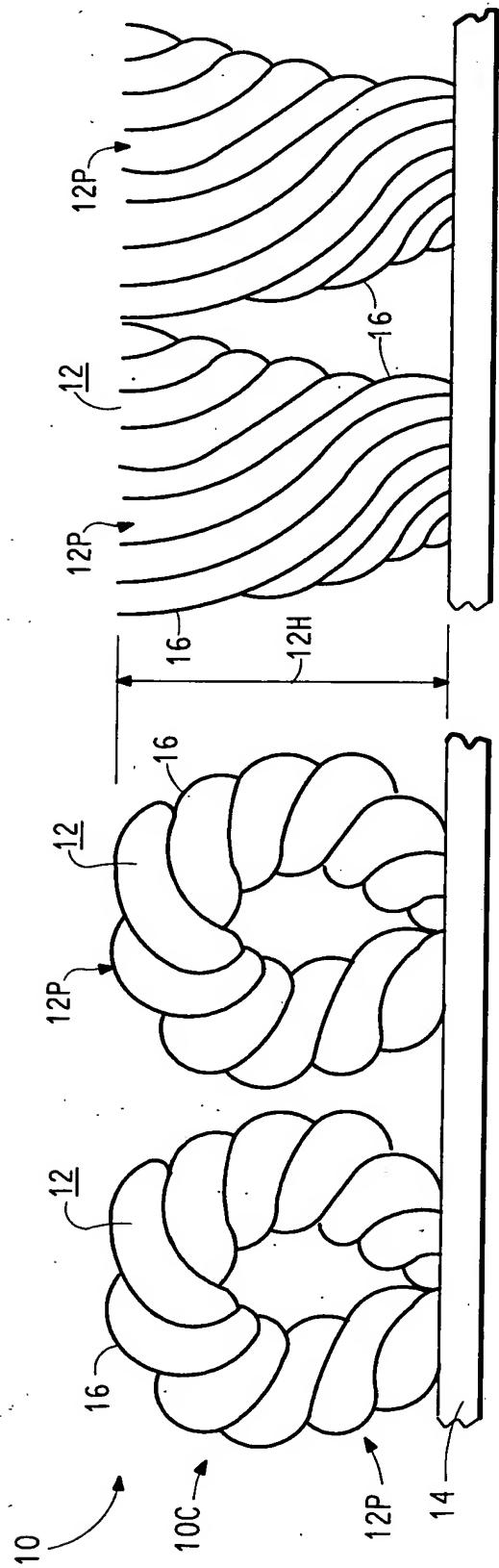


FIG. 1

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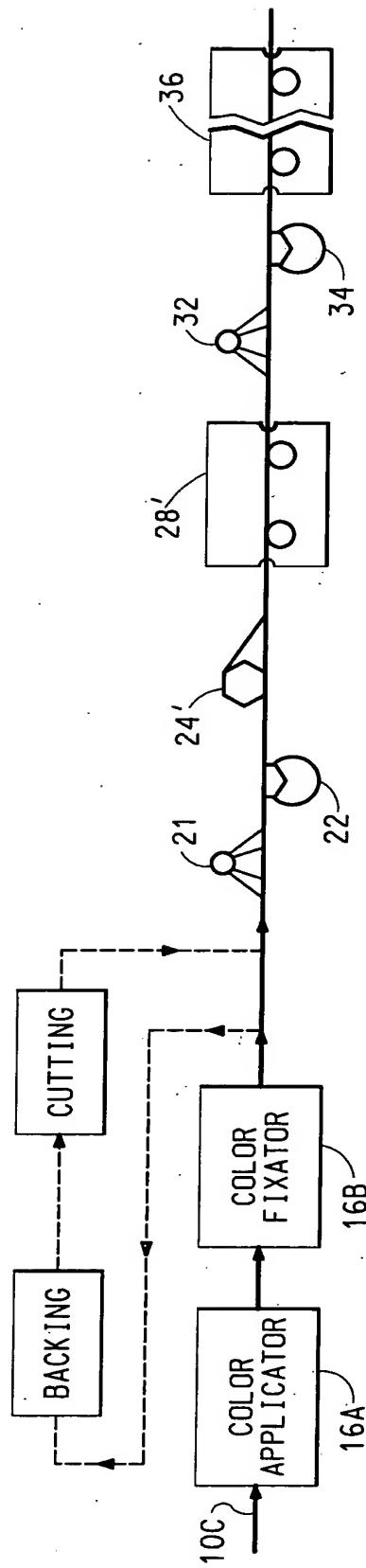


FIG. 2

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CONVENTIONAL PROCESS:

Plain colors and prints

DYEING/PRINTING

IN-LINE TREATMENT:
RINSE/HYDROEXTRACT

SEPARATE RUN:
PREWET

STAIN RESIST
APPLICATOR

KÜSTERS FLUIDYER
FLEISSNER QUICK CHANGE APPL.

APPLICATION BATH:

STAINBLOCKER
SURFACTANT
ACID DONOR

STAINBLOCKER A: pH 2.0-5.0

STAINBLOCKER B: pH 6.0-7.5

20-60°C

STEAMER

SATURATED STEAM
60 TO 90 SECONDS

(HYDRO EXTRACTOR)

RINSE

HYDRO EXTRACTOR

DRY

CARPET TILES AND CARPETS:

Dif Dye Carpet Tiles and
Carpets, Plain or Printed
Carpet Tiles and Carpets.

16A DYEING

16B PRINTING

21 IN-LINE TREATMENT:
RINSING/SUCTIONING

22 SEPARATE RUN:
PREWETTING

24' STAIN RESIST APPLICATOR

Tiles: Flood Applicator
Carpets: Any

APPLICATION BATH:

STAINBLOCKER
SURFACTANT
ACID DONOR
pH 6.0-7.5
20-95°C

28' DRYING

Infra-red dryer

32 RINSING

34 SUCTIONING

36 DRYING

FIG. 3